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# SCIENCE DIGEST

January through June, 1974

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| Nessie Is Back                           | May 4   |
| Warning—Red Tide!                        | Feb. 64 |

## Mathematics

|                                  |         |
|----------------------------------|---------|
| Inching Toward the Metric System | Apr. 78 |
|----------------------------------|---------|

## Medicine

|                                       |         |
|---------------------------------------|---------|
| Alcohol Vs. Food                      | May 25  |
| Alfalfaburgers Next?                  | Jan. 38 |
| Americans Loaded With Carbon Monoxide | Mar. 4  |
| Are Kidney Donors Weirdos?            | May 54  |
| Artificial Eye for the Blind          | May 82  |
| Artificial Limb Almost Like Real      | Apr. 67 |
| Asthma Sufferers Mistaken             | June 50 |
| Bad Table Manners Save Lives          | Feb. 53 |
| Bandage Abuse?                        | May 53  |
| Bellyachers and Vacillators           | May 48  |
| Bland Foods May Not Help Ulcers       | May 54  |
| Blood Conservation                    | Mar. 48 |
| Blood-taking Shutterbug               | Apr. 58 |
| Bloodstream Gunboats Fight Cancer     | Apr. 66 |
| Body-building Drug Fought             | Feb. 53 |
| Body Cells Take a Walk                | Feb. 80 |
| Body Mapping by Computer              | Mar. 77 |
| Brain Surgery for Drug Addict         | Apr. 7  |
| Breast Cancer Fears Revealed          | Mar. 47 |
| Building Stronger Bones               | May 28  |
| Cancer Vs. What You Eat               | Mar. 10 |
| Changing Baby's Brain                 | May 56  |
| Choosing Boy or Girl                  | Apr. 17 |
| Cigarettes + Coffee = Heartburn       | Feb. 55 |
| Civilized Ailments in the Jungle      | Mar. 79 |

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|---|---------|--|---------|
| <i>Closed Circuit TV Prosthesis for Blind</i>                       | Feb. 90 | <i>Less Nicotine, More Cigarettes</i>              | Apr. 48 |
| <i>Cold Mask Fights Migraines</i>                                   | Jan. 18 | <i>Lithium—Hope for Manic-depression</i>           | Apr. 30 |
| <i>Coming Back From Cancer Controversy Over Heart Resuscitation</i> | June 30 | <i>Lithuanian Hearts Hit the Airwaves</i>          | Apr. 86 |
| <i>Creating Life in the Lab.</i>                                    | Jan. 28 | <i>LSD Vs. Death</i>                               | Feb. 25 |
| <i>Curing Dental Dry Sockets</i>                                    | Mar. 62 | <i>Man Will Survive Pollution</i>                  | Jan. 49 |
| <i>Death and Three-stage Grief</i>                                  | May 46  | <i>Medical Advances Threaten Body Defenses</i>     | Mar. 82 |
| <i>Death Standards</i>  | Feb. 55 | <i>Medical Detectives Track Down Epidemics</i>     | Feb. 32 |
| <i>Deaths From Emphysema</i>  | May 6   | <i>Medical Research Subjects to Pay?</i>           | Mar. 7  |
| <i>Detecting Cancer Without Surgery</i>                             | May 86  | <i>Medical Sculptor Saves Faces</i>                | Jan. 69 |
| <i>Did L.B.J. Die From Power Hunger?</i>                            | May 46  | <i>Mental Health Problems to Increase</i>          | Mar. 4  |
| <i>Doctors As Suicide Victims</i>                                   | Apr. 20 | <i>Mental Hospitals—Resorts for the Poor?</i>      | Apr. 44 |
| <i>Doctors Cop Out As Patients</i>                                  | June 48 | <i>Monkey Helps Handicapped</i>                    | Apr. 23 |
| <i>Dogs Help Fight Senility in Young People</i>                     | Jan. 40 | <i>"Mother" Syndromes</i>                          | Apr. 45 |
| <i>Eating Tips for Nervous Stomach</i>                              | May 47  | <i>Needle Knocks Out Face Pain</i>                 | Feb. 48 |
| <i>ECG Predicts Heart Attacks</i>                                   | Feb. 54 | <i>Nerve Changes in Psychotics</i>                 | Feb. 82 |
| <i>Electric Acupuncture</i>   | Jan. 79 | <i>New Appendicitis Test Devised</i>               | Jan. 47 |
| <i>Emergency Help for Heart Attack Victims</i>                      | Jan. 80 | <i>New Cancer Center in Moscow</i>                 | Feb. 90 |
| <i>Even Kids Shun Handicapped</i>                                   | Feb. 53 | <i>New Hope for Acne Sufferers</i>                 | June 40 |
| <i>The Evils of Pot</i>   | May 84  | <i>New Implant Material</i>                        | May 29  |
| <i>Exorcism</i>   | Apr. 38 | <i>New Look at Body's Defenses</i>                 | Jan. 35 |
| <i>Fat Children Must Reduce Early</i>                               | Mar. 49 | <i>New "S" Diet</i>                                | Feb. 54 |
| <i>Fat Is Beautiful</i>   | Jan. 46 | <i>New Slimming Device</i>                         | Feb. 16 |
| <i>Feeling Nasty? Getting Better</i>                                | Apr. 44 | <i>New Stutter Therapy</i>                         | May 26  |
| <i>Finding Your Pain Quotient</i>                                   | Mar. 57 | <i>Novice Cigar Smokers in Trouble</i>             | Jan. 38 |
| <i>Floating Stretcher</i>   | June 21 | <i>Now It's Vitamin Q</i>                          | Apr. 7  |
| <i>Flowers Can Endanger the Sick</i>                                | Mar. 7  | <i>Nutritionist Defends Snacks</i>                 | Jan. 46 |
| <i>Fluoride May Be Needed in Diet</i>                               | Mar. 80 | <i>Oldsters Get Coronary Bypass</i>                | Mar. 49 |
| <i>Football Doctor Favors Rubber Collars</i>                        | Apr. 48 | <i>The Paramedic Gap</i>                           | Mar. 81 |
| <i>Gene Transfer Holds Clue to Cancer</i>                           | June 29 | <i>Particle Therapy: New Weapon Against Cancer</i> | Apr. 80 |
| <i>Getting Fat? Eat Fibres</i>                                      | June 47 | <i>Photographing the Human Aura</i>                | May 10  |
| <i>The Glow of Life</i>   | May IFC | <i>The Plague of River Blindness</i>               | Feb. 26 |
| <i>Gonorrhea Difficult to Spot</i>                                  | Apr. 7  | <i>Planting Arteries in the Brain</i>              | June 49 |
| <i>Graffiti Helps Mental Patients</i>                               | Apr. 47 | <i>Plastic Coated Teeth</i>                        | Apr. 68 |
| <i>Greater Distance = Closeness</i>                                 | Mar. 78 | <i>Pocket Biorhythm Calculator</i>                 | May 16  |
| <i>Hair That Turns White Overnight</i>                              | Jan. 47 | <i>Prisoner of Your Sex Hormones?</i>              | June 22 |
| <i>Hamster and Tooth Decay</i>                                      | May 27  | <i>Protons Against Cancer</i>                      | Apr. 87 |
| <i>Health Foods: Facts and Fakes</i>                                | Feb. 58 | <i>The Punchdrunk Syndrome</i>                     | Feb. 28 |
| <i>Heart Cell Bank</i>  | Apr. 7  | <i>Sadness Vs. Mental Illness</i>                  | May 30  |
| <i>Heat Off Coffee Re Heart Attacks</i>                             | Jan. 4  | <i>Scanning Device for Brain</i>                   | Mar. 50 |
| <i>Hepatitis Virus Detected</i>                                     | Mar. 47 | <i>Should Doctors Let Deformed Babies Die?</i>     | Feb. 42 |
| <i>Hobbyist Vs. Toxic Fumes</i>                                     | Mar. 49 | <i>Siamese Cats Fight Genetic Disease</i>          | Apr. 68 |
| <i>Houston Gets Suitcase Medical Units</i>                          | Jan. 53 | <i>Sight to the Blind</i>                          | Jan. 79 |
| <i>How I Fought Blindness</i>                                       | Mar. 52 | <i>Silent Noise Pollutes</i>                       | Mar. 16 |
| <i>How Noise Annoys</i>   | Jan. 34 | <i>Sinus Trouble May Mean a Cold</i>               | Apr. 46 |
| <i>How to Beat a Cold</i>   | Apr. 18 | <i>Sleep on Order</i>                              | June 85 |
| <i>How to Pick a Psychoanalyst</i>                                  | Jan. 10 | <i>Soviets Cautious About the Pill</i>             | May 89  |
| <i>Human Geiger Counter</i>   | Apr. 36 | <i>Space-age Thermometer</i>                       | Feb. 56 |
| <i>Human Guinea Pigs</i>  | Apr. 10 | <i>Spraying Away Wounds</i>                        | Jan. 80 |
| <i>Human Rabies Serum</i>   | Apr. 6  | <i>Stocking Your Medicine Cabinet</i>              | June 50 |
| <i>Infant Mortality Rate Falling</i>                                | Feb. 48 | <i>Superpure Water</i>                             | Mar. 83 |
| <i>Iron Deficiency</i>  | May 6   | <i>Sweaty Palm Syndrome</i>                        | Apr. 46 |
| <i>Jewelry Combats Pollution</i>                                    | Feb. 16 | <i>Symptoms of Mass Hysteria</i>                   | Apr. 18 |
| <i>Kidney Patient's Dilemma</i>                                     | Mar. 45 | <i>Take a Saccharin Break</i>                      | Jan. 36 |
| <i>Kidney Patients Hibernate</i>                                    | June 49 | <i>10th Successful Head Transplant</i>             | Jan. 6  |
| <i>Killing Cancer With Light</i>                                    | Jan. 50 | <i>Thermometer You Can Eat</i>                     | May 53  |
| <i>Laser Cane Aids Blind</i>  | Jan. 19 | <i>Things Are Getting Lousy</i>                    | Jan. 71 |
| <i>Laser Puncture</i>   | Mar. 83 | <i>Tooth Implants</i>                              | Feb. 18 |

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|---|----------|
| <i>Tranquilizer Users Not Misled</i>                | Mar. 46  |
| <i>Tuning In Your Brain Waves</i>                   | Jan. 72  |
| <i>Two-in-one Drug Means Trouble</i>                | Jan. 48  |
| <i>VD Epidemic Is Back</i>                          | Feb. 6   |
| <i>VD Epidemic Losing Steam</i>                     | May 4    |
| <i>When the Going Gets Tough—Quit!</i>              | June 51  |
| <i>Women Cry; Men Bleed Inside</i>                  | Jan. 48  |
| <i>Women in Space</i>                               | Feb. 27  |
| <i>"Yo-yo" Dieter</i>                               | May 36   |
| <b>Meteorology</b>                                  |          |
| <i>A Bioclimatic Atlas</i>                          | Apr. 87  |
| <i>Meteorologists Are Solving Crimes</i>            | Feb. 42  |
| <i>Plotting the Bumps in the Sky</i>                | Jan. 36  |
| <i>Snow Made to Order</i>                           | May 89   |
| <i>TV Weatherman's Mistakes</i>                     | May 63   |
| <i>Waterspouts—Tornadoes at Sea</i>                 | June 78  |
| <i>Weather Satellite Near Completion</i>            | Jan. 53  |
| <b>Mineralogy and Metallurgy</b>                    |          |
| <i>Making the U.S. Energy-independent</i>           | Feb. 6   |
| <i>Safeguard for Miners</i>                         | Apr. 22  |
| <b>Miscellaneous</b>                                |          |
| <i>Artificial Sun Also Rises</i>                    | June 86  |
| <i>Beer Cans With Refrigerators</i>                 | May 87   |
| <i>Bicycle That Flies?</i>                          | Apr. 29  |
| <i>A Bioclimatic Atlas</i>                          | Apr. 87  |
| <i>Bugging the Ground</i>                           | May 68   |
| <i>Carpet From Gas</i>                              | June 85  |
| <i>Computer Analyzes Voiceprints</i>                | Mar. 19  |
| <i>Crime-stopper Shoes</i>                          | May 68   |
| <i>Data on UFO Sightings</i>                        | Feb. 6   |
| <i>Eggs-ray Vision</i>                              | June 21  |
| <i>Electrically-heated Suit</i>                     | May 90   |
| <i>Electronic Metronome</i>                         | May 17   |
| <i>Football Doctor Favors Rubber Collars</i>        | Apr. 48  |
| <i>Geodesic Dome With Shingles</i>                  | Mar. 20  |
| <i>Glasses That Light the Way</i>                   | Apr. 59  |
| <i>Golf Tutor Improves Swing</i>                    | Mar. 20  |
| <i>Hair Dryer Powers Sauna Suit</i>                 | Feb. 17  |
| <i>Inching Toward the Metric System</i>             | Apr. 78  |
| <i>Jewelry Combats Pollution</i>                    | Feb. 16  |
| <i>Magnetic Tool "Chest"</i>                        | Mar. 21  |
| <i>Mechanical Nail File</i>                         | May 17   |
| <i>Mind-bender Puzzle</i>                           | Jan. 51  |
| <i>Mind-bender Puzzle</i>                           | Feb. 63  |
| <i>Mind-bender Puzzle</i>                           | Mar. 71  |
| <i>Mind-bender Puzzle</i>                           | Apr. 49  |
| <i>Mind-bender Puzzle</i>                           | May 55   |
| <i>Mind-bender Puzzle</i>                           | June 77  |
| <i>Money Identifier for Blind</i>                   | Feb. 56  |
| <i>Monkey Helps Handicapped</i>                     | Apr. 23  |
| <i>Nessie Is Back</i>                               | May 4    |
| <i>Net Rescues Fire Victims</i>                     | May 17   |
| <i>Physicist Is Center of Debate</i>                | Jan. 81  |
| <i>Pocket Biorhythm Calculator</i>                  | May 16   |
| <i>Police Fire Laser-sighted Rifle</i>              | Jan. 52  |
| <i>Portable Solar Cooker Aimed at Campers</i>       | Apr. 71  |
| <i>Sliding-door Bathub</i>                          | Apr. 22  |
| <i>Slow Going on Chinese Typewriter</i>             | Mar. 21  |
| <i>Socks Fit Like Gloves</i>                        | Apr. 22  |
| <i>Solar Tube Heats Homes</i>                       | Mar. 50  |
| <i>Space-age Thermometer</i>                        | Feb. 56  |
| <i>Street Lights Aren't for Trees</i>               | Jan. 37  |
| <i>Ten Adventure Vacations</i>                      | Jan. 74  |
| <i>Tire Inflator Works Off Car Lighter</i>          | Mar. 20  |
| <i>Ultrasonic Sewing Machine</i>                    | Jan. 73  |
| <i>Unisuit for North Pole Dips</i>                  | Jan. IBC |
| <i>Vegetable Spaghetti for Dieters</i>              | Jan. 18  |
| <i>Verticle Evacuation Tube for Fires</i>           | Feb. 16  |
| <i>What Do You Know About Horsemanship?</i>         | Feb. 88  |
| <i>World's Brightest Flashlight</i>                 | May 16   |
| <i>Wrist Computer Prevents "Bends"</i>              | Feb. 17  |
| <b>Oceanography</b>                                 |          |
| <i>Civil War Iron-clad Rediscovered</i>             | June 68  |
| <i>Convertible Submarine</i>                        | June 20  |
| <i>Electronic Brain to Steer New Tanker</i>         | Jan. 80  |
| <i>Floats Fence in Oil Slicks</i>                   | Mar. 51  |
| <i>Hovercraft You Inflate</i>                       | May 69   |
| <i>Most Powerful Icebreaker</i>                     | Apr. 58  |
| <i>Oil Pollutants on Ocean Floor</i>                | June 31  |
| <i>Ship Slide Saves Lives</i>                       | Mar. 50  |
| <i>Two Halves Equal One Hull</i>                    | Apr. 77  |
| <i>Unisuit for North Pole Dips</i>                  | Jan. IBC |
| <i>Wrist Computer Prevents "Bends"</i>              | Feb. 17  |
| <b>Ornithology</b>                                  |          |
| <i>Artificial Beak Transplant</i>                   | Jan. 39  |
| <i>The Bittern's Bitter Looks</i>                   | June IBC |
| <i>Grey-breasted Parakeets a Pest</i>               | Mar. 6   |
| <b>Paleontology</b>                                 |          |
| <i>Mammoth Discovered</i>                           | June 86  |
| <b>Photography</b>                                  |          |
| <i>The Glow of Life</i>                             | May IFC  |
| <i>Holography Expert Named Inventor of the Year</i> | June 87  |
| <i>Holography Is Saving Art Masterpieces</i>        | Jan. 20  |
| <i>Photographing the Human Aura</i>                 | May 10   |
| <b>Physics</b>                                      |          |
| <i>Black Holes Stop Light</i>                       | May 61   |
| <i>Cosmic Ray Mirages</i>                           | June 30  |
| <i>Particle Therapy: New Weapon Against Cancer</i>  | Apr. 80  |
| <i>Physicist Is Center of Debate</i>                | Jan. 81  |
| <i>Protons Against Cancer</i>                       | Apr. 87  |
| <i>What Is Noise?</i>                               | May 62   |
| <i>What Is the Speed of Light?</i>                  | Mar. 69  |
| <i>Why We Need Light-years</i>                      | Jan. 67  |



## Pollution and Environment

|   |         |
|---|---------|
| <i>Americans Loaded With Carbon Monoxide</i>      | Mar. 4  |
| <i>Energy Crisis Spurs Environmental Crisis</i>   | May 4   |
| <i>Energy Crunch Hurts Environmental Policies</i> | Feb. 6  |
| <i>Floats Fence in Oil Slicks</i>                 | Mar. 51 |
| <i>Fossil Fuel Fallout</i>                        | June 69 |
| <i>Garbagepower Takes Up Energy Slack</i>         | Feb. 24 |
| <i>Jewelry Combats Pollution</i>                  | Feb. 16 |
| <i>Man Will Survive Pollution</i>                 | Jan. 49 |
| <i>Oil Pollutants on Ocean Floor</i>              | June 31 |
| <i>Old Litter Never Dies</i>                      | Mar. 80 |
| <i>Oxygen Revives a Lake</i>                      | Apr. 19 |
| <i>Silencing Jet Noise</i>                        | Mar. 79 |
| <i>Silent Noise Pollutes</i>                      | Mar. 16 |

## Psychiatry and Psychology

|   |         |
|---|---------|
| <i>Are Kidney Donors Weirdos?</i>             | May 54  |
| <i>Behavioral Experiment With Prisoners</i>   | Apr. 4  |
| <i>Bellyachers and Vacillators</i>            | May 48  |
| <i>Bringing Up Baby</i>                       | June 31 |
| <i>Changing Baby's Brain</i>                  | May 56  |
| <i>Coming Back From Cancer</i>                | June 30 |
| <i>Death and Three-stage Grief</i>            | May 46  |
| <i>Defusing the Sex Offender</i>              | June 32 |
| <i>Did L.B.J. Die From Power Hunger?</i>      | May 46  |
| <i>Doctors As Suicide Victims</i>             | Apr. 20 |
| <i>Early Students Flunk Out</i>               | Mar. 48 |
| <i>Exorcism</i>                               | Apr. 38 |
| <i>Eye-ful of Skills</i>                      | Apr. 21 |
| <i>Feeling Nasty? Getting Better</i>          | Apr. 44 |
| <i>Finding Your Pain Quotient</i>             | Mar. 57 |
| <i>Graffiti Helps Mental Patients</i>         | Apr. 47 |
| <i>Greater Distance = Closeness</i>           | Mar. 78 |
| <i>Heckling Hurts</i>                         | Jan. 70 |
| <i>How Noise Annoys</i>                       | Jan. 34 |
| <i>How to Pick a Psychoanalyst</i>            | Jan. 10 |
| <i>Lithium—Hope for Manic-depression</i>      | Apr. 30 |
| <i>LSD Vs. Death</i>                          | Feb. 25 |
| <i>Mental Health Problems to Increase</i>     | Mar. 4  |
| <i>Mental Hospitals—Resorts for the Poor?</i> | Apr. 44 |
| <i>"Mother" Syndromes</i>                     | Apr. 45 |
| <i>Nazi Crimes Still Hurting</i>              | May 27  |
| <i>Nerve Changes in Psychotics</i>            | Feb. 82 |
| <i>New Stutter Therapy</i>                    | May 26  |
| <i>Older Means Smarter</i>                    | Feb. 83 |
| <i>Portrait of a Terrorist</i>                | June 70 |
| <i>Prejudice Against Short, Fat and Ugly</i>  | May 18  |
| <i>Prisoner of Your Sex Hormones?</i>         | June 22 |
| <i>Sadness Vs. Mental Illness</i>             | May 30  |
| <i>Soviet Sex Education</i>                   | Apr. 86 |
| <i>Symptoms of Mass Hysteria</i>              | Apr. 18 |
| <i>Tattoos Aren't Skin Deep</i>               | Apr. 69 |
| <i>Test Your Gambling Quotient</i>            | Apr. 72 |
| <i>Tranquilizer Users Not Misled</i>          | Mar. 46 |
| <i>Tuning In Your Brain Waves</i>             | Jan. 72 |

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| <i>Vocabulary of Success</i>                 | May 85  |
| <i>When the Going Gets Tough . . . Quit!</i> | June 51 |
| <i>Why Are People Poor Listeners?</i>        | Apr. 79 |
| <i>Women Cry; Men Bleed Inside</i>           | Jan. 48 |
| <i>"Yo-yo" Dieter</i>                        | May 36  |

## Reptiles

|                            |         |
|----------------------------|---------|
| <i>Man-eating Reptiles</i> | Jan. 54 |
|----------------------------|---------|

## Sociology

|   |         |
|---|---------|
| <i>Americans Marrying Later</i>               | Jan. 49 |
| <i>Behavioral Experiment With Prisoners</i>   | Apr. 4  |
| <i>Crowding As a Way of Life</i>              | Jan. 72 |
| <i>Defusing the Sex Offender</i>              | June 32 |
| <i>Family Status Syndrome</i>                 | June 62 |
| <i>Mental Hospitals—Resorts for the Poor?</i> | Apr. 44 |
| <i>Prejudice Against Short, Fat and Ugly</i>  | May 18  |
| <i>Rules of Thumbing</i>                      | Jan. 70 |

## Travel and Transportation

|  |         |
|--|---------|
| <i>Air Cushion Train</i>                 | Apr. 59 |
| <i>How to Package a Pachyderm</i>        | Apr. 84 |
| <i>Magneplane—Train That Flies</i>       | Feb. 70 |
| <i>Russia's First Aid for Cars</i>       | June 86 |
| <i>Strobe Lights the Way for Bicycle</i> | Jan. 19 |
| <i>Ten Adventure Vacations</i>           | Jan. 74 |

## Zoology

|  |          |
|--|----------|
| <i>Artificial Beak Transplant</i>                      | Jan. 39  |
| <i>Back-breeding for Healthier Crops and Livestock</i> | Mar. 22  |
| <i>The Bittern's Bitter Looks</i>                      | June IBC |
| <i>Captivity Saves a Gazelle</i>                       | Mar. 32  |
| <i>Chimp Mothers Lion Cub</i>                          | Apr. IBC |
| <i>Dogs Help Fight Senility in Young People</i>        | Jan. 40  |
| <i>"Endangered" Alligators a Nuisance</i>              | Apr. 6   |
| <i>First Leopon</i>                                    | Apr. IFC |
| <i>Fish Farming Is Big Business</i>                    | Apr. 20  |
| <i>Fish Survive Below Freezing Temperatures</i>        | Jan. 68  |
| <i>Giant Pandas Now "Endangered"</i>                   | Mar. 4   |
| <i>Giraffe's Top Deck Neck</i>                         | Feb. IBC |
| <i>Grey-breasted Parakeets a Pest</i>                  | Mar. 6   |
| <i>Hibernation Switched Off or On</i>                  | May 6    |
| <i>How to Package a Pachyderm</i>                      | Apr. 84  |
| <i>Killers of the Seas</i>                             | Apr. 50  |
| <i>Man-eating Reptiles</i>                             | Jan. 54  |
| <i>Nessie Is Back</i>                                  | May 4    |
| <i>Panda Is a Bear</i>                                 | Jan. 6   |
| <i>10th Successful Head Transplant</i>                 | Jan. 6   |
| <i>These Butterflies Are Not Free</i>                  | June 72  |
| <i>Warning—Red Tide!</i>                               | Feb. 64  |
| <i>What Do You Know About Horsemeat?</i>               | Feb. 88  |
| <i>Wild Animal Fairs</i>                               | Jan. 24  |
| <i>Wolf Works for Cops</i>                             | Mar. 83  |
| <i>Zoo Animals Traded</i>                              | Jan. IFC |



